What differences in circumstances existed that might affect nutritional level? On the one hand were relatively isolated nuclear families, which we estimated as 15-20% of the families, living in tiny separate cottages.[1] Usually with inadequate or no land, they earned an irregular income by hiring themselves out for farm or other work. At the other extreme, in a hamlet-like cluster of dwellings, lived a closely affiliated group of kin. A senior couple more or less headed the married sisters, brothers, or children, maybe with a hired man, or family that as autonomous households cooperated amicably in economic and domestic tasks. We estimated these as 20-25% of the Bang Chan families. The larger social unit, having more hands to produce, and to share tasks, was better able to provide good food and general health care to its members, than a small isolated family. Four problems more easily handled by the larger group were household chores and child-care, farming, borrowing, and earning money.

Young children had to be constantly tended lest they fall into the water, the fire, or under the buffalo's feet. They never entered the fields during work. Fishing and gathering of water plants was complicated because in boats, small children had to be held. Where there were but two parents and young children, one parent could not do many things until the other came home. Perhaps neither partner could stay away long enough to get a big batch of fish or greens from the canal, or go to the store. Cooking was simplified, or food might be prepared once a day only. Respite came only when the first born was able to help oversee a younger child, sometimes staying home from school to do so. Where the adult cooperative group was larger, movement was freer. All the strong adults could work in the fields or at a job, confident that the home was well tended. They came home to a well-prepared meal, ready when they wanted it. Such households had more fresh fish because farm work could be completed sooner, hence more persons could devote themselves to fishing. Some physically able members could even be spared and financed to go beyond the required four grades of elementary school.

Plowing could be done by a man and wife, but for both transplanting and harvesting which had to be done within a few days, large groups were necessary. Two patterns of auxiliary group labor prevailed: reciprocal cooperative work, and hiring of labor.

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1. Janlekha, 1955, categorized families as 5% "one-person," 59% nuclear, 8% limited extended (including one or more parents of a spouse), 27% extended (including dependent married couples or other collateral relatives), and the temple residents. At least 32% of the families had inadequate or no land. His figures do not indicate the degree of domestic cooperation which was an ameliorating factor in well-being.

Seasonal Activities

128 A chart has been prepared to show the climatic conditions in Bang Chan and what people were doing at different seasons (Chart 1). For convenience, the periods covered by the four rounds of the dietary survey (p. 58) are included.

22 132 241 512 871 462 883 The year starts with May, the beginning of the rice-year. At this time the rains began to soften the parched ground, and the heat slackened. School re-opened. Farmers turned to plowing, harrowing, raising the seedlings. Both sexes worked about equally in field labor, boys from 14 and girls from about 15 years of age performing tasks according to skill and strength. Everyone was in the field at dawn. The buffalo, but not the farmer, rested through the noonday heat (about 10 a.m. until 2 p.m.) and also on the weekly holy day. Meals were usually eaten about 10 a.m. and after returning from the field at dark. Although two meals a day were usual at other times, at this season, some had a third meal about 2 p.m. If the buffalo were brought home to rest, this meal could be eaten at home, but hired laborers or those working far from home often took with them rice and other foods in a (2)pin-(1)too, or tiered lunch kit.

22 132 501 443 24 With the rains, the canals had filled, so that by June buyers with big rice boats could return. The few farmers who could afford to hold onto a portion of their last year's crop sold it for a better price at this time. Vegetables and fruits which had died in the long drought were replaced, and trees were planted.

24 22 132 In July the heavy transplanting season began. Because of cooperative work habits or hiring out, people worked solidly day after day for two months on their own or on another's fields. It was dawn-to-dark, back-breaking work.

This was an anxious time. The seedlings had to go in at exactly the right time. Water level was only partly controllable. Lack of rain might be remedied by pumping water from the canals but flooding would drown the plants. School vacation was scheduled at this time so both teachers and children could help. Older children might work in the fields, while younger ones, from 8 to 13, and the aged took over the care of babies and toddlers, fished, cooked, gathered food for the family and grass for the buffalo. People knew the crop was subject to drought and flood, pests of rats and worms, destruction by birds or wandering buffalo or duck, and in the end to the mysterious fluctuations of the price of rice on the world market. Moreover, some persons worried about debts, acquired from giving a ceremony or making a capital investment and sometimes from heavy gambling during the rest season.

Chart 1. SEASONAL CYCLE - BANG CHAN, THAILAND, 1953-54

	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
Season	→ ←WET→							←COOL→		←HOT→		
Temperature (°C)[1]	30	29	28	29	29	28	26	25	25	28	30	30
Humidity, rel., %	77	80	81	81	80	78	74	70	70	65	66	67
Rainfall	---→ heavy		moderate	←---heavy---→		←------light------→			←-------negligible--------			
Canals	rising			high		(floods)			lowering fast			low,dry
Cultivation of Rice	plowing-------→ seedbed grown				growing	early var. mature						
	TRANSPLANTING					←---------HARVEST--------→						
School	vacation							vacation			vacation	
Cash available Source	cash in hand---------- rice					←-----cash shortage------→					cash in hand-- main rice sale	
					cash jobs----------→							
Fruit;vegetables	--→ ←-new planting-→								←------annuals die------			
Fish: Supplies	ponds drained-→								←-----ponds drained-------			
Maturation		←-------many varieties----------→							←---best varieties---→			
Preserving	←----much-----→		←----------moderate----------→						←----------most-------→			
Ceremonies	ceremonies-------→			←------Buddhist Lent------→								
											←--ceremonies---	
Dietary survey	--→ ←-----Round I------→			←-------Round II-------→				←----Round III----→			←--Round IV-	

1. Mean temperatures and relative humidity estimated from charts for Bangkok and the central plain of Thailand (Bunnag and Dhararak, 1947). Mean monthly temperature range from 25-30°C corresponds to 77-86°F; diurnal variations are greater, averaging 18°F (10°C) in April and 22°F (12°C) in January.

2: Hauck et al. D.E-5 (1953-1954) 1958 AO7 Central Thai AO7 Bang Chan

There was an important psychological difference between the two work seasons. At planting time, people were anxious; at harvest they were happy. People saw cash just ahead, for the crop was now safe. Each host of a cooperative work party gave at least one big convivial feast, the best he could provide and even the hired laborers got a round of liquor. People joked more than usual at work. Two boat loads of workers were observed racing down a canal at 6 a.m., shouting and cheering, although they had probably worked long hours for days or weeks before. Everyone knew that a joyous season was at hand.

When the crop was in, the people rested, fished, and began to prepare for big ceremonies demanding organized work. Supplies of fish were needed for preserving or for feasts. Labor and engines were now available, and with water low, fishponds could be conveniently drained, and the fish on the muddy bottom caught. A pond might be drained two or three times a year, but timing was determined by the availability of equipment and workers and by the needs of the annual ceremonial cycle. One pot of fish was given to each helper at a cooperative pond-draining.

Most farmers sold their rice in February. Capital was invested in farm equipment, buffalo, housing and ceremonies. Debts were cleared if possible. Cash expenditures for food, which had declined progressively since the beginning of the rice year, reached the yearly minimum, mostly because people had ample time to fish. People also saved up their money if they were sponsoring a ceremony, ate lightly at home if they were going to one. Since school closed from March 15 to May 1, because of the heat, money was not given to children for snacks.

The land dried up and cracked, rainwater for drinking gave out, and some canals were reduced to mud. Cherished plants were kept alive by watering, but no new planting could be done. Buffalo, which at other seasons were confined and fed, now roamed the fields, nibbling stubble. Everyone was busy and happy. Ordinations, weddings, cremations, merit-making feasts and several big holidays came one after another. Of the four New Year's Days observed in Bang Chan, the Buddhist New Year, which because of the lunar calendar fell about mid-April, was the most important, being celebrated over two days with extensive offerings of food to the priests and with other activities. The official New Year's Day, January 1, and the traditional New Year's Day about November 1, had rather slight observances. Chinese New Year's, in February, was celebrated by the Chinese residents who presented a school teacher and their hamlet headmen each with a boiled chicken and a Chinese sweet. Lent officially closed the ceremonial season, but the advent of plowing-time slowed the pace considerably.

When the rains finally came, the rice year started again.

fishing and selling vegetables, they managed to obtain a fair diet. The father's skill as a masseur was valued especially at periods of heavy farm work, after childbirth, and by the cooks at a ceremonial feast. This brought in from 2 to 12 baht per week.

In Group A, Families 67 and 103 were at the most difficult period of life, with young, dependent children, and housing, land and equipment to be acquired. By great industry, including egg production from a flock of 60 chickens, and by severe "belt-tightening," Household 103 was lifting itself into a propertied position. The parents in Household 67 were shy. One or the other of the two older children often stayed home from school to look after the baby, so that both parents could work. Husband and wife in Household 12 were both very shy, the only ones in the survey group who were at all reluctant to participate. They seemed ashamed of limited food. The wife was frequently ill. In Household 222, the 14-year old daughter often gathered and sold vegetables at Minburi before school in the morning. She might have full charge of the younger children for days at a time. A daughter who worked as a servant in Bangkok contributed 50 baht per month to this household. In Household 215, the activities of the wife as medium were predominant. Pay included food, often cooked, and the free use of 3½ rai of land, as well as cash. Maintenance of a son in school in Bangkok cost about 1000 baht per year plus 60 tang of rice. In Household 2, the elderly wife's services as "boss-buyer and cook" at ceremonials, and as marriage go-between did not bring in cash, but gifts, clothing and much participation in feasts.

All families in the survey group were Thai Buddhists, and 6 of them offered food to priests more or less regularly. On 17 of the 24 survey days when the observer visited these households, food was offered. Two of the 5 families that did not customarily give food to priests, did so on one and two survey days, respectively. In one case food was offered to a son who had been recently ordained. Rice was always included in the food offered, and in 3 of the 20 instances observed rice only was given. The weight of cooked rice given by one family in one day ranged from 185 to 1210 grams, with an average of about 600 grams. In 16 instances, some cooked food such as fish or vegetable curry was given with the rice; in one instance fresh pineapple was given.

Cash Expenditures for Food. - Mean total, and per capita daily cash expenditures for food for survey days, are shown, by household in Table 3. (See Table 2, p. 23 for division of food expenditures for Groups A,B) Although cash expenditures for food varied considerably, the amounts in all cases were small, and approximated figures obtained by Janlekha (1955) for 106 households. Larger consumption of animal products, which were the most expensive items purchased,

improvement, (1)ngaan sponsored by them might serve to acquaint a large group with a new practice. Suppose, for example, that addition of premix to rice, and cooking rice without excess water were being promoted. If one of the respected priest-practitioners could be persuaded to introduce those practices at his homage-to-the-teacher rite and give them some publicity, this might help to create a favorable attitude toward the suggested change.

Every change will require continuing education, and a variety of approaches should be used, some of which have been mentioned. If the elementary school teachers were persuaded of the importance of a good diet and improvement in sanitation, and had a sound understanding of the desired changes in practice, they could influence both the oncoming generation, and their neighbors through teaching and example. Continued practical health education for school children should ultimately bear fruit. The value of eating more green leafy vegetables should be taught, and the children could learn about leafy greens available in the village, but not widely used at present. Good foods to bring to school for lunch might be stressed. Hard cooked eggs have already been mentioned. If convenience as well as health value were stressed, this might lead in time to increased consumption of eggs by growing children, and ultimately by adults as well. If a simple school lunch program were organized, either on a cooperative basis or subsidized, the inclusion of peanuts would help to increase both the protein and the thiamine content of the children's diets. Though unfamiliar to many of the children, lightly roasted peanuts were enjoyed as a treat offered at the end of the medical inspection. If teachers could influence vendors to prepare and sell more of the snacks which would be desirable additions to the children's food, this would be a gain. Fruit could be stressed for school lunch. At any time of year, a banana a day for each child would probably be possible, and bananas should be emphasized even though their nutritive value is not so outstanding as that of many other fruits. Values of other fruit in season should be taught. The school garden could be used to demonstrate how to grow some of the more nutritious vegetables. Awards for those with the best home gardens could be used to stimulate improvement. Similarly, recognition for improvement in home sanitation might be useful.

In adult discussion groups, both men and women should learn about good food and health practices. The slack period between transplanting and harvest, when people can get about easily by boat, would be the best time for such meetings. Since many adults in Bang Chan were illiterate or did not read with ease, very simple teaching material is needed. Association between good food and health must be built up gradually. Appeal to economic and other motives may be used where such motives reinforce the desired ends. The extension method of adult education, just in its beginnings in Thailand,

offers a means of teaching local leaders who in turn could [87] teach neighborhood groups.

Where alternative solutions are being considered, a well designed experimental program would help to decide which would be more acceptable. Teachers and advanced home economic students at nearby Kasetsart University might plan and execute such an experiment on a small scale. Thus, after learning in the laboratory how to include rice polishings in some common "with-rice" dishes, this might be taught to people in one village. In another, addition of premix to milled rice at home, and cooking rice without excess water, could be taught. In both, the health values of undermilled rice could be stressed and the need to keep or to restore these if white rice is used. A followup should be made to see how many have tried, and how many have adopted the proposed change. Experience in pilot projects under the Thailand-UNESCO Fundamental Education Project (TUFEC) should provide clues as to methods likely to be successful. In Bang Chan, where frank deficiency disease is uncommon, improvements in health and nutriture may not seem spectacular. Improving nutrition, which implies changing attitudes, food habits, agricultural and sanitary practices, must be seen as a long term goal, requiring continuing education.

4:Phillips E-4,5 (1956-1957) 1966
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from Bang Chan, the figure is as high as 85 percent (Dobby 1950). In these terms, therefore, it is best to view the incidence of land tenancy in Bang Chan as largely a function of local, historical circumstances.

A final word should be said about Bang Chan's proximity and accessibility to Bangkok—the cornucopia of so much that is new, interesting, and desirable (if somewhat equivocally) to most Siamese peasants. It is clear that Bang Chan's closeness to the capital creates certain conditions that would not be present in a community situated, for example, 200 kilometers, instead of 31 kilometers, from the nation's largest city. Simply on practical grounds, this nearness to the city permits the villagers to take advantage of opportunities—economic, recreational, and religious—which those living in distant provinces can obtain only after serious consideration of the financial and psychological expenses involved: "Do I have shoes to wear in the city? Do they treat people from the provinces well? With whom will I stay? Do I have the train fare?" A Bang Chaner who visits the capital does not have to make such financial or emotional commitments, since it is only a one hour, three and one-half baht (seventeen and one-half cents) bus ride back home, although many do share with their up-country cousins the peasant's apprehensions about city manners.

The attractions of Bangkok take several forms: off-season jobs, medical care, kinship ties, special schools, great market places, famed monasteries or fairs, and the many other places where one can go to have fun. A survey conducted in Bang Chan during 1955 (Goldsen and Ralis 1957) indicates that 62 percent of all household heads in the village visited Bangkok more than twice during the year for just such purposes. (Twenty-one percent had not gone to Bangkok at all, and 23 percent had gone more than ten times.) Many villagers, particularly younger men, attracted by the promise of regular wages, lighter work, and the bright lights of the city, leave Bang Chan with the hope that they will never have to return, although of course many do. The Goldsen-Ralis survey reveals that 26 percent of their respondents had lived in Bangkok for a year or more, although for most this was in fulfillment of military service.

Living in Bangkok is not something that is desired in and of itself. Bang Chaners are keenly aware of the disadvantages of city living—particularly its great expense and insecurity—and are impressed only by those individuals who have made a success out of their urban sojourn. Most would agree that a Bangkok coolie, for all his exposure to the wonders of the modern world, lives a considerably less attractive life than they do.

The frequent transit between Bang Chan and Bangkok,[8] however,

[8] Of less practical consequence than their direct personal experiences and word-of-mouth contacts, but not to be ignored, are the villagers' contacts with Bangkok by way of radio, newspapers, books, and of course by way of what their children bring

4:Phillips E-4,5 (1956-1957) 1966
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continually brings to the attention of the villagers urban standards and aspirations which, whenever possible, they attempt to apply to themselves. L. M. Hanks (1959*b*: 19) sees the operation of this characteristic acculturative mechanism in Bang Chan in terms of the villagers' "search for respectability": "A respectable cremation requires an orchestra; a respectable dwelling a tile roof; a respectable sickness an injection; and a respectable family must chaperone carefully its growing daughters. So run a host of points which help to bolster but not necessarily to advance social position."

Yet, after the relationship between village and town has been considered, Bang Chan remains very much a peasant community, whose residents are concerned first and foremost with the cultivation of rice, the maintenance of their monastery, and their own immediate social environment. Despite aspirations, many Bang Chan cremations must go without the orchestra; most dwellings lack the tile roof; injections are taken only by those who can afford them; and the necessity for boys and girls to work together during harvest time, a period of unavoidably infectious joy, precludes any rigidly imposed chaperonage. Perhaps the best assessment of the cultural position of Bang Chan was provided by the writer's field assistant—an individual born and reared in a village in the Northeast who, although in many respects worldly and urbane, maintained an almost passionate identification with his peasant background—who said: "When I first came here to Bang Chan, I never thought that people living so close to Bangkok could be *real* Thai villagers. But they are. They are not as friendly and hospitable as Northeastern peasants, and they are more interested in money, but they have a much greater love of the land. No city person could ever think and feel as they do."

Family Life and Social Organization

In terms of the traditional categories of social structural analysis, the social organization of Bang Chan is strikingly simple. There are essentially only five social units which demand, and toward which villagers express, relatively enduring psychological commitments. These are the nuclear family;

home from school, the curriculum for which is written and directed by Ministry of Education officials in the city. Approximately 14 percent of Bang Chan households have battery driven radios (there is no electricity in the village) and approximately 60 percent of the villagers can read, although considerably fewer actually have the proficiency to go comfortably through a newspaper; theoretically the same number of people can write, but few Bang Chan adults have the courage to take pencil to paper without feeling discomfort over their handwriting, spelling, and knowledge of stylistic forms. Newspapers that people bring home from town are passed around and read more for their entertainment than information; the few books that are seen in the village are pulp magazines, religious or moralistic writings, and occasionally do-it-yourself pamphlets ("How to Raise Chickens the Modern Way").

4:Phillips E-4,5 (1956-1957) 1966
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a loosely defined, laterally oriented kindred; the nation-state (mentioned not for formal reasons, but because it actually is psychologically important); and to a lesser extent, the village monastery and school. Of these five institutions, the nuclear family is the principal focus of psychological concern, beyond the individual himself. Otherwise, there are in Bang Chan no castes, age-grade societies, occupational groups (other than the family), neighborhood groups, or groups expressive of village solidarity (such as councils or governing boards) which might impose a sense of obligation on the villagers, or to whose norms or functions the villagers might have to conform.[6] Bang Chaners do not have to contribute their labor to their community, serve as village guards, contend with the dictates of village elders, or even actively coöperate with fellow villagers.

All villagers have additional relationships of varying degrees of intimacy both within and without the community, but these are dyadic, not group, relationships based on implicit expectations of mutual benefit. Such contacts are in nature primarily idiosyncratic (friends), transient (reciprocal work groups, gambling and drinking partners), or contractual (as opposed to affective or kin determined: vendors, landlords, debtors, rice millers, employers, and doctors). It is important to recognize that if some of these latter relationships take on positive affective qualities, they may also assume some of the forms and feelings of kinship. Thus, a young man who is taken on as a hired hand by a family frequently ceases to be considered an "employee" and becomes instead an "adopted son." (This type of *gemeinschaft* relationship, contrary perhaps to theoretical expectations, is also characteristic of many occupational situations in Bangkok.) In a similar vein, the terms for older sibling (*phii*), elder uncle (*lung*), and elder aunt (*paa*) are used as terms of address and reference between individuals who are obviously not related to each other, but who wish to mark overtly their fondness and respect for one another. The use of these

[6] There are two minor exceptions to this generalization: (1) a monastery lay committee whose functions are limited to the secular tasks of monastery administration, and membership in which brings prestige and Buddhist merit to a few selected members of the community; and (2) reciprocal work groups organized for and limited to rice transplanting and harvesting, membership in which is completely voluntary and a matter of mutual convenience (Janlekha 1955). Careful accounts are kept as to how much labor is contributed by each participating family, and responsibility for remitting labor received lies with the individual participant, not the group.

It must be noted that the monastery and its cadre of relatively permanent monks, although the very institution that defines the existence of "the village of Bang Chan," is not from the point of view of its clientele primarily a unit representative of village cohesiveness. It is first and foremost *a* Buddhist monastery where one may make merit and only secondarily *the Bang Chan* Monastery. Several members of the community patronize other monasteries, and several Bang Chan monks come from other locales. The keen sense of individual obligation that villagers feel toward their monastery could be directed toward any monastery.

and KY followed by a number.) The center of social life in Bang Chan is the Buddhist monastery or wat and the adjacent government primary school. The community simply consists of the clientele which regularly patronizes Wat Bang Chan and this school rather than other comparable institutions elsewhere in the region. Within the area of the community lives a minority of Thai Moslems constituting about ten per cent of the population. They have their own mosque which happens to be just outside Bang Chan, but they attend many secular and some Buddhist functions at Wat Bang Chan. A number of small stores, which also serve as coffee houses and men's clubs, are used as neighborhood centers in different parts of the village. Near the central wat and school, there is also a store, and the house provided by one of the headmen for use as the Project headquarters.

This present interim report of the Cornell Thailand Project includes some of the data necessary for the design of a program to improve health and diet in Bang Chan. Another report, now in preparation, will give the results of a detailed dietary survey made in the community following the health survey reported on here. These two studies together will indicate existing deficiencies in health and diet, and will permit the formulation of recommendations for needed changes in behavior as these can be realized in the context of the village and national culture.

The author of this study, Dr. Hazel M. Hauck, is Professor of Food and Nutrition in Cornell University. She has been associated with the work of the Cornell Thailand Project since 1950. She not only designed and supervised the research on health, nutritional status, and diet in Bang Chan, but during almost a year of field work in Thailand she obtained valuable data on many other topics for the Project's files. Some of her daily work in Bang Chan made little sense to the villagers, but they nevertheless became devoted to her. Her energy, tact and fine spirit in facing the discomforts and difficulties of rough field work in a tropical foreign land inspired both her Thai and American associates. Working with Professor Hauck were Dr. Amusith Rajatasilpin, now a teacher in the School of Public Health in Bangkok; Miss Sapha Indrasud, now in the Ministry of Public Health; Dr. Chumlong Kittivoja, of the Dental School of the University of Medical Sciences, Bangkok; and Miss Saovanee Sudsaneh, who has been doing post-graduate work in nutrition at Cornell and Harvard. To all of these faithful workers, the Cornell Thailand Project is greatly indebted.

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Contacts Outside the Community

Radio and movies provide indirect contact between the community and the outside world and seem to encourage the acceptance of urban behavior patterns. (See Table 16.) In addition, however, there is direct contact between the community and the capital city. The inhabitants commute to Bangkok to sell their products or to visit. Some go to the city to live for a time, to attend the city's schools, to work as laborers or to serve in the military or police force. For example, about a quarter of the sample (26 per cent) reported that during the year preceding the survey they had been to Bangkok ten or more times. About a third of the sample (35 per cent) have lived in Bangkok, mostly for the purpose of working there. On the other hand, almost half the sample (45 per cent) have never been to the Don Muang Airport; and over two-thirds (69 per cent) have never been to the Annual Agricultural Fair.

One would expect that such direct exposure to the urban life and values of the capital city, for example, might be linked with greater readiness to try out improved methods of agriculture either because exposure to urban life may mean exposure to more information, or, less directly, may mean exposure to the urban values of economic self-advancement and experimentation. And there is, indeed, a relationship between exposure to the capital city and use of the motor. The two factors are not linked for all the residents--the relationship is a conditional one. That is, it is mainly among illiterate farmers where urban contact is associated with readier acceptance of the motor.

TABLE 19. ILLITERATE FARMERS* WHO HAVE GREATER CONTACT WITH THE CITY ARE MORE LIKELY THAN OTHERS TO USE THE MOTOR

"This past year, how many times did you go to Bangkok...?"

Literacy	Never or once (Proportion who own or use the motor)		Twice or more (Proportion who own or use the motor)	
Illiterate	44%	(40)	58%	(51)
Literate	83	(36)	88	(83)

* Male farmers only

In the same way, there is a similar conditional link between use of the motor and wider contacts beyond the horizons of Bang Chan. Visits to the airport and to the agricultural fair, for example, (both centers of contact with urban culture) are associated with use of the motor among illiterate farmers. If the farmer can read and write, on the other hand, he is just

7: Janlekha X-4,5 (1948-1953)p956 AO7 Central Thai AO7
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Age	Method	Kinds of Farm Work
13-14	Moderate pressure.	Hauling, weeding, buffalo tending, transplanting, chicken feeding, fishing, household work.
15-16	High pressure.	All kinds of farm work. Harrowing, harvesting, and uprooting (boys only) are started at this age.

By the time the young are 16 years old, they are already reliable farm hands, although they are still not considered competent enough to participate in the cooperative work to which only the best family workers are expected to be sent. By the time they reach 18 years of age, all males and females should be well trained in all kinds of farm work.

According to the Primary Education Law, parents are responsible for sending their children to school at the age of eight. These children are to remain in school until they are over fourteen years old, or until they have passed Pratom IV.[2] Since school hours start at nine and last until three in the afternoon, children of school age are still able to participate in the farm work before or after school hours. Moreover, most rural primary schools including the Bangchan Primary School have adjusted their vacation recesses to the periods when rice farm labor is needed most -- from August 16 to September 15 which coincides with transplanting period, and from December 16 to January 15 which coincides with harvesting period. It is during these vacations that the upperclass children are expected to contribute their

2. Primary education is divided into four academic years -- Pratom I, II, III, and IV.

7: Janlekha X-4,5 (1948-1953)p956 AO7 Central Thai AO7
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*243 857 872 labor to the family farm work. It is also the time for children of families of other occupation to earn their small lampai from piece-working.

872 • 871 We have devoted a few pages to this topic of training the young for farm work because we think it is relevant to the study of the village economy. While the standard of teaching is generally poor in most primary schools in Thailand and consequently farm children receive rather poor academic education, it has been observed that their training in the farm work given by the family is exceedingly thorough. With the exception of a few bright children who are able to finish Pratom IV in four years and thus are able to leave the primary school at the age of 12, most farm children are kept in the school until the age of 14 because they usually fail in the examination at the end of each academic year and have to repeat once, twice, and even thrice. A good many are obliged to leave school at the compulsory age of 14 without passing Pratom IV. Urban children, on the other hand, usually pass Pratom IV at the age of 10 and are able to proceed on their secondary education at the standard age of 11 when they start their Matyom I. This is because they went to school at an early age and had better teachers at the Pratom level. Thus, farm children usually lag behind urban children in academic achievement. The situation is aggravated by the city secondary schools' practice of using students' achievement by age as the basis for admission decision. As a result, farm children do not

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